Index of Claims

10/792,168 Examiner

Gopal C. Ray

Applicant(s)/Patent under Reexamination

VORBACH ET AL.
Art Unit

2111

|    | Allowed  |
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| J√ | Rejected |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
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| o | Objected |

| Claim     | Date       |          |          |   |                                                  | Cla                                              | Claim        |                    |                 | Date     |          |          |          |          |                    | Cla             | Date          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |      |          |            |              |              |          |           |          |              |          |          |          |
|-----------|------------|----------|----------|---|--------------------------------------------------|--------------------------------------------------|--------------|--------------------|-----------------|----------|----------|----------|----------|----------|--------------------|-----------------|---------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|----------|------------|--------------|--------------|----------|-----------|----------|--------------|----------|----------|----------|
| -         | 2          | <b>'</b> |          |   |                                                  |                                                  |              |                    |                 |          |          |          | al al    |          |                    |                 |               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |      |          | _          |              |              |          |           |          |              |          |          |          |
| Final     | Onginal    | 8/15/06  |          |   |                                                  |                                                  | l            |                    |                 |          |          | Final    | Original |          |                    |                 |               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |      | Final    | Original   |              |              |          | il        |          |              | il       |          | i I      |
| 🕮   🖹     | Ę          | ž        |          |   |                                                  |                                                  |              |                    |                 |          |          | iĒ       | Žić      |          |                    |                 |               | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |      | 這        | Öriç       |              |              |          |           |          |              | 1        |          | ı        |
|           |            |          |          |   | <u> </u>                                         |                                                  | Ι.           |                    |                 |          |          |          | )        |          |                    |                 |               |          | 1.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |      |          | 0          |              |              |          |           |          |              | Ш        |          |          |
|           |            |          |          |   |                                                  |                                                  |              |                    |                 |          |          |          | 51       |          | I                  |                 |               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |      |          | 101        |              |              |          |           |          |              |          |          |          |
|           | 2          |          |          |   |                                                  |                                                  |              |                    |                 |          |          |          | 52       |          |                    | П               |               |          | $\Pi \Pi$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |      |          | 102        |              |              |          |           |          |              |          |          |          |
|           |            |          |          |   |                                                  |                                                  |              | Г                  |                 |          |          |          | 53       |          |                    |                 | $\Box$        |          | П                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |      |          | 103        |              |              |          |           |          |              |          |          |          |
| 4         |            |          |          |   | Γ                                                |                                                  | $\Box$       | Π                  |                 |          |          |          | 54       |          |                    |                 |               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | :[   |          | 104        |              |              |          |           |          |              |          |          |          |
|           | 5          |          |          |   |                                                  |                                                  |              |                    |                 |          |          |          | 55       |          |                    |                 |               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | ::[  |          | 105        |              |              |          |           |          |              |          |          |          |
|           | 5          |          |          |   |                                                  |                                                  |              |                    |                 |          |          |          | 56       |          |                    |                 |               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | ::[  |          | 106        |              |              |          |           |          |              |          |          |          |
| 1         | 7_         |          |          |   |                                                  |                                                  |              | L                  |                 |          |          |          | 57       |          |                    |                 |               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |      |          | 107        |              |              |          |           |          |              |          |          |          |
| <b>(8</b> | 3          |          |          |   |                                                  |                                                  | L            |                    |                 |          |          |          | 58       |          |                    |                 |               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |      |          | 108        |              |              |          |           |          |              |          |          |          |
|           |            |          |          |   |                                                  |                                                  | L            |                    |                 |          |          |          | 59       |          |                    |                 |               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |      |          | 109        |              |              |          |           |          |              |          |          |          |
|           | 0          |          |          |   |                                                  |                                                  | 1_           |                    |                 |          |          |          | 60       |          |                    |                 |               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _]!!!  |      |          | 110        |              |              |          | Ш         | Ш        | Ш            | Ш        |          | Ш        |
|           | 1          |          |          |   | L                                                | 匚                                                | oxdot        | $oxedsymbol{oxed}$ | Ш               |          |          |          | 61       |          | $oxedsymbol{oxed}$ | Ш               |               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |      | I        | 111        | Ш            | $oxed{oxed}$ |          |           |          |              |          |          |          |
|           | 2          |          |          |   | <u> </u>                                         |                                                  | L            | <u></u>            |                 |          |          |          | 62       |          |                    | Ш               |               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |      |          | 112        |              |              |          | $\square$ |          |              | Ш        |          | Ш        |
| 1         |            |          |          |   |                                                  | _                                                | L            | _                  |                 |          |          |          | 63       |          | L                  |                 |               |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _ :::  |      |          | 113        |              |              |          |           |          |              | $\Box$   |          |          |
| 1         |            |          |          |   | L                                                |                                                  | L            | 匚                  |                 |          |          |          | 64       |          |                    | Ш               | $\perp$       |          | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | _  ::: |      |          | 114        |              |              |          |           |          |              | $\Box$   |          | Ш        |
| 1:        | 5          |          |          |   | <u> </u>                                         | L                                                | L            | <u> </u>           | $\Box$          |          |          |          | 65       |          |                    | Ш               | $\bot$        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _      |      |          | 115        |              |              |          |           |          |              |          |          |          |
| 11        | <b>\$</b>  |          | Ш        |   | _                                                | <u> </u>                                         | $\perp$      | ┖                  | Ш               |          |          |          | 66       |          | _                  | Ш               | _             | $\perp$  | Ш.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _      |      | ]        | 116        | $oxed{oxed}$ |              |          | Ш         | Ш        |              | Ш        |          | Ш        |
| 1         |            |          | Ш        |   |                                                  | <u> </u>                                         | <u>_</u>     | <u></u>            | $\sqcup$        |          |          |          | 67       |          |                    | Ш               | $\perp$       |          | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | _      | L    |          | 117        |              |              |          |           |          |              | $\Box$   |          | Ш        |
| 11        |            |          |          |   | L                                                | L                                                | <u> </u>     | <u> </u>           |                 |          |          |          | 68       |          |                    | Щ               | ightharpoonup |          | $\perp \perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | _ :::  | L    |          | 118        |              |              |          |           | Ш        | Ш            |          |          | Ш        |
| 19        |            | 1        |          |   | L                                                | $oxed{oxed}$                                     | L            |                    |                 |          |          |          | 69       |          |                    | Ш               | ightharpoonup | $\perp$  | $\perp \perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | _ :::  |      |          | 119        |              |              |          |           | Ш        |              | $\Box$   |          |          |
| 20        |            | 1        |          |   |                                                  |                                                  | L            | 乚                  |                 |          |          |          | 70       |          | <u> </u>           | Ш               | ightharpoonup | ┸        | $\perp \perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | _ :::  | L    |          | 120        |              |              |          |           |          |              |          |          |          |
| 2         |            |          |          |   | <u> </u>                                         | _                                                | <u> </u>     |                    |                 |          |          |          | 71       |          |                    | Щ               | ightharpoonup | 1.       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |      |          | 121        |              |              |          | $\square$ | Ш        |              |          |          |          |
| 2:        |            |          | $\Box$   |   | _                                                | L                                                | <u> </u>     | <u> </u>           |                 |          |          |          | 72       | $\perp$  |                    | Ш               | ightharpoonup |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}$ |        |      |          | 122        |              |              |          |           |          |              |          | _        | Ш        |
| 2:        |            |          |          |   |                                                  | 上                                                | _            | <u> </u>           | Ш               |          |          |          | 73       |          |                    | Щ               | $\perp$       |          | Ш.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _      |      |          | 123        |              |              |          | Ш         | Ш        | Ш            | Ш        | $\Box$   | Ш        |
| 24        | 4          |          |          |   | L                                                | ╙                                                | ╙            | ļ                  | Ш               |          |          |          | 74       |          | <u> </u>           | Ш               | $\dashv$      |          | $\perp \perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | _      |      |          | 124        |              |              |          | Ш         | Ш        | Ш            | Ш        | _        | Ш        |
| 2         |            |          |          |   |                                                  | <u> </u>                                         | ╙            | <u> </u>           | Ш               |          |          |          | 75       |          | <u> </u>           |                 |               |          | $\perp$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | _ !!!  | L    |          | 125        |              |              |          |           | Ш        |              | $\Box$   |          | Ш        |
| 20        |            |          | _        |   | _                                                |                                                  | $oxed{oxed}$ | _                  | ļ               |          |          |          | 76       |          |                    |                 | $\dashv$      |          | $\sqcup$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | _      |      |          | 126        | $\Box$       |              |          | $\sqcup$  | Ш        | Ш            |          | _        | Ш        |
| 2         |            | _        | _        |   |                                                  | _                                                | L            | <u> </u>           | Ш               |          |          |          | 77       | _        |                    |                 | $\dashv$      |          | 1-1-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | _ !!!  | Ļ    |          | 127        |              |              |          | Ш         | Ш        |              | $\sqcup$ | _        | Ц        |
| 2         |            |          | _        |   | _                                                | <u>L</u>                                         | L            | Ļ                  | Ш               | Щ        |          |          | 78       | _   _    | <u> </u>           | Щ               | $\dashv$      | _        | 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | _      |      |          | 128        |              |              |          | $\square$ | Ш        | Ш            | $\Box$   | $\dashv$ | Ш        |
| 2         | 9          | _        | _        |   | _                                                | ┞                                                | ┡            | <u> </u>           | $\perp$         |          |          |          | 79       |          | _                  |                 | $\dashv$      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _      | Ļ    |          | 129        |              | _            | _        | $\square$ | Ш        | Ш            |          | _        | Ш        |
| 30        |            | _        | 4        |   | _                                                | L.                                               | <u> </u>     | ╙                  | Ш               | _        |          |          | 80       |          | Ш                  | Щ               | _             |          | Щ.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _      | L    |          | 130        |              |              | _        | $\square$ |          | Щ            | $\Box$   |          | Ш        |
| 3         |            | _        |          | _ | <u> </u>                                         | <u> </u>                                         |              | <del> </del> _     | $\sqcup$        | _        |          |          | 81       |          | ļ                  | $\sqcup$        | 4             | _        | 1-1-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | _      | Ļ    |          | 131        |              |              | _        | $\dashv$  | Ш        | Щ            | $\dashv$ |          | Ш        |
| 3:        | 싀          | _        |          |   | <u> </u>                                         | <b> -</b> -                                      | <b>├</b> —   | ⊢                  | $\vdash$        | _        |          |          | 82       |          | $\vdash$           | $\vdash$        | $\dashv$      | _        | $\vdash \vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4      | ŀ    |          | 132        |              |              |          | $\dashv$  | Щ        | ⊢┤           | $\dashv$ | _        | Ш        |
| 33        |            | _        |          |   | <del>                                     </del> | $\vdash$                                         | ├—           | $\vdash$           | $\vdash$        |          |          |          | 83       |          | <u> </u>           |                 | -             | -        | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        | ŀ    |          | 133        | $\sqcup$     |              |          |           |          | $\vdash$     | $\dashv$ |          | Ш        |
| 34        |            | -        |          |   | -                                                |                                                  | ₩            | ├                  | $\vdash$        | $\dashv$ |          |          | 84       | - -      | $\vdash$           | $\vdash \vdash$ | $\dashv$      |          | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -      | ŀ    |          | 134        | $\dashv$     | $\dashv$     | _        | $\dashv$  | -        | ⊢┤           | $\dashv$ |          | Ш        |
| 39        |            | $\dashv$ | $\dashv$ |   | ├                                                | -                                                | <del> </del> | ├-                 | $\vdash$        |          |          |          | 85       |          | $\vdash$           |                 | $\dashv$      | +        | +-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -      | ╬    |          | 135        | H            |              | _        |           | Н        | $\vdash$     | $\dashv$ |          | Щ        |
| 36        |            | -        |          |   | <del> </del>                                     | <del> </del>                                     | $\vdash$     | $\vdash$           | $\vdash$        | $\dashv$ |          |          | 86       | +        | $\vdash$           | $\vdash$        |               | -        | ++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        | :: - |          | 136        | $\dashv$     | _            | _        | $\dashv$  |          | $\vdash$     | $\dashv$ |          | $\dashv$ |
| 3         |            | _        | $\dashv$ |   | $\vdash$                                         | $\vdash$                                         | $\vdash$     | -                  | $\vdash$        |          |          |          | 87       |          |                    | $\vdash$        | $\dashv$      | +        | ┿                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -      | ŀ    |          | 137        | -            |              |          | $\dashv$  |          |              | $\dashv$ |          | $\dashv$ |
| 38        |            | _        |          |   | _                                                | -                                                | $\vdash$     | $\vdash$           | $\vdash$        | -        |          |          | 88       |          | $\vdash$           | $\dashv$        | -             | +        | ┿                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | -    |          | 138        |              |              |          |           | ;        | $\dashv$     | $\dashv$ |          | $\dashv$ |
| 40        |            | -        |          |   | $\vdash$                                         | $\vdash$                                         | ├            | -                  | $\vdash$        | -        |          |          | 89       |          | $\vdash$           | $\dashv$        | +             | +        | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -      | ŀ    |          | 139        |              |              |          | $\dashv$  | -        | <del> </del> | $\dashv$ | 4        | $\dashv$ |
| 40        | 쒸          | -        | -        |   | $\vdash$                                         | $\vdash$                                         | $\vdash$     | -                  | H               | $\dashv$ |          |          | 90       | +        | $\vdash$           | $\dashv$        | +             | +        | ++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        | ŀ    | $\dashv$ | 140        |              |              |          |           | _        | $\dashv$     | $\dashv$ | -        | $\dashv$ |
| 42        | 爿          | $\dashv$ | $\dashv$ | _ | ├                                                | <del>                                     </del> | $\vdash$     | $\vdash$           | $\vdash\vdash$  | $\dashv$ |          |          | 91       | +        | $\vdash$           | $\dashv$        | +             |          | ++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | - :::  | ŀ    |          | 141        | $\dashv$     | $\dashv$     |          | -         |          |              | $\dashv$ |          | $\dashv$ |
| 43        |            | $\dashv$ |          |   | $\vdash$                                         |                                                  | ⊢            | -                  | $\vdash$        |          |          |          | 92<br>93 | - -      | Н                  |                 | +             | +        | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | - :::  | ŀ    |          | 142        | $\dashv$     |              |          | $\dashv$  | $\dashv$ | _            | $\dashv$ |          | $\dashv$ |
| 4.        |            | $\dashv$ | $\dashv$ | _ | <del> </del>                                     | $\vdash$                                         | ⊢            | -                  | $\vdash$        |          |          |          | 93       | +        | Н                  | $\dashv$        | $\dashv$      |          | ╁╌╂╴                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | - :::  | ŀ    |          | 143        | $\dashv$     |              |          | $\dashv$  |          | $\dashv$     | -        | -        | $\dashv$ |
| 45        | -          | -        | $\dashv$ |   | -                                                | $\vdash$                                         | ⊢            | $\vdash$           | H               | ᅱ        |          | $\dashv$ | 95       | $\dashv$ | Н                  |                 | +             |          | +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | ŀ    |          | 144        | $\dashv$     | $\dashv$     | -        | $\dashv$  | $\dashv$ | $\dashv$     | $\dashv$ |          |          |
| 46        |            |          | $\dashv$ | _ | $\vdash$                                         | $\vdash$                                         | $\vdash$     | -                  | $\vdash \vdash$ | $\dashv$ |          | $\dashv$ | 96       | +        | Н                  | $\dashv$        | -             | +        | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -      | ŀ    | $\dashv$ | 145<br>146 |              | -            |          | $\dashv$  | $\dashv$ | $\dashv$     | $\dashv$ | -        | -        |
| 47        | 뛰          | -        | $\dashv$ |   | -                                                | $\vdash$                                         | H            | ├                  | $\vdash$        | $\dashv$ |          | -        | 97       | +        | Н                  | $\dashv$        | -+            | +        | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -      | ŀ    | $\dashv$ | 140        | -            | -            |          | +         | $\dashv$ | $\dashv$     | -+       | $\dashv$ | $\dashv$ |
| 48        |            | $\dashv$ | -        |   | -                                                | $\vdash$                                         | Н            | $\vdash$           | $\vdash$        | $\dashv$ |          |          | 98       | +        | Н                  | $\dashv$        | +             | +        | ++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -      | ŀ    |          | 147        | $\dashv$     | $\dashv$     | $\dashv$ | $\dashv$  | $\dashv$ | _            | $\dashv$ | $\dashv$ | $\dashv$ |
| 49        | 띪          | $\dashv$ | $\dashv$ |   | $\vdash$                                         | $\vdash$                                         | $\vdash$     | ├                  | $\vdash$        | $\dashv$ | <b> </b> |          | 99       |          |                    | $\dashv$        | +             |          | ++                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        | ⊦    |          | 148        | $\dashv$     | -            | -        | $\dashv$  | $\dashv$ | _            | $\dashv$ | -        | $\dashv$ |
| 50        | 爿          | $\dashv$ | $\dashv$ |   | $\vdash$                                         |                                                  | Н            | <del> </del>       | $\vdash$        | $\dashv$ |          |          | 100      |          | $\vdash$           | $\dashv$        | +             | $\dashv$ | $\vdash \vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | ŀ    | $\dashv$ | 149        | -            | -            |          |           | $\dashv$ | $\dashv$     | }        | -        | $\dashv$ |
|           | <u>'  </u> |          |          |   | L                                                | L                                                | ш            | L                  | ш               |          | :::::[   |          | IUU      | L_       | ل ا                |                 | L             | 丄        | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | :::    | ١L   |          | 150        |              |              |          | $\perp$   |          |              | Щ        |          |          |